Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBR No 112/22-23
DATED 24.03.2023

No.6th RA Bill

EE/ELE/Y/BR No......2023......

Dt......

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No........ Dated............
Sub Divisional **Job Code :-003-22-000022**

Schedule Docket No. Head of Account : **P 0300** M&R to Street lights - Replacement of Burnt bulbs etc

D.R.No. : **Period: 01-01-2023 to 31-01-2023 (for 1 months)**

Name of Work:- *Annual maintenance and repairs of Street Lights in Ward No 3 & 4 Park Package Y-12 of Yelahanka Zone*

Name of Contractor and Full Address:**M/S. United Engineers**

Reference to Agreement No:EE/Ele/YZ/AG/000012 /2022-23 Date:07/04/2022

Reference to Work order No:EE/Ele/YZ/WO/000012 /2022-23 Date:07/04/2022

Certified that the measurements were taken by me on 2/2/23 and recorded of Pages 260390 to 392 of measurement Book No. 2604/22-23 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 2/2/23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

I/C Assistant Executive Engineer (Ele)
BBMP Bangalore
Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	UPDT	1122570:99
2) Deduct amount to be held in reserve being ....percent Rs............	P.Bill	1047391:79
3) " Balance		75179:00
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher	bthRABill	
No...........Dated..................S.D. No................. Amount	IT 1%	752:00
adjusted towards cash advance recovery of	LWC 1%	752:00
	CBF 0.1%	75:00
b) Payments Now made: cost store or other material supplied. recovery of amount creditable to this/other work	CGST 1%	752:00
Amount paid on this bill Cheque / Cash.	SGST 1%	752:00
5) Balance being unpaid value of work done held in reserve.	Fine	2200:00
6) Deduct cash advance made on the Office cash Book Voucher No........... dated......................................less adjustments.	Scrap 2%	1504:00
7) Net amount due to or from Contractor unadjustments items.	Deduction	6787:00
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	by cheque	68392:00
Total amount adjusted -		

Contractor's Signature

Received Rs.................... (in words)...................................
....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No..................Dated....................
Cash Rs..............................
Dated..............
Initials of Officer making payment

Stamp

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0300 M and R to Street
ರೂ: 75179:00 ಆಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 68392:00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 6787:00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

15/3/23
ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

Executive Engineer
ಕಾ.ಇಂ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Unit
	Name of Work :-Annual maintenance and repairs of Street Lights in Ward No 3 & 4 Park Package Y-12 of Yelahanka Zone	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below.i) Poles with 36/40 W fluorescent tube light street lighting system.	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting system.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV light street lighting system.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for with 400W HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 70 watt HPMH park lighting systems.	Each
6	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250 watt HPMH park lighting systems	Each
7	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPMH street light/High Mast lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED streetlight lighting system	Each
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED streetlight lighting system	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		1	Months		Upto Date paid so for 9 Months 24 Days		
1x8 Months 24 Days	✓ 0	✓ 0	✓ 50.00	✓ 0.00	1x9 Months 24 Days	✓ 0.00	
710x8 Months 24 Days	✓ 413930.00	✓ 710	✓ 66.25	✓ 47037.50	710x9 Months 24 Days	✓ 460967.50	
5x8 Months 24 Days	✓ 3666.52	✓ 5	✓ 83.33	✓ 416.65	5x9 Months 24 Days	✓ 4083.17	
38x8 Months 24 Days	✓ 27865.55	✓ 38	✓ 83.33	✓ 3166.54	38x9 Months 24 Days	✓ 31032.09	
50x8 Months 24 Days	✓ 25665.20	✓ 50	✓ 58.33	✓ 2916.50	50x9 Months 24 Days	✓ 28581.70	
47x8 Months 24 Days	✓ 37910.58	✓ 47	✓ 91.66	✓ 4308.02	47x9 Months 24 Days	✓ 42218.60	
35x8 Months 24 Days	✓ 29515.64	✓ 35	✓ 95.83	✓ 3354.05	35x9 Months 24 Days	✓ 32869.69	
179x8 Months 24 Days	✓ 118140.00	✓ 179	✓ 75.00	✓ 13425.00	179x9 Months 24 Days	✓ 131565.00	
6x8 Months 24 Days	✓ 4884.00	✓ 6	✓ 92.50	✓ 555.00	6x9 Months 24 Days	✓ 5439.00	

10	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED streetlight lighting system	Each
11	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB protective surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.	Nos
13	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant RVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs
14	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm	Mtrs
15	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
16	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG	Sqcms
17	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Nos
18	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each
19	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Each
20	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output.Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Post Top Lantern with 35 watts	Nos
	TOTAL Rs	
	Add GST 12 % on item no 12 to 20	0.00
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/01/2023 to 31/01/2023	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

FC

Assistant Executive Engineer (Ele)

BBMP, Bangalore

0	0.00	0	104.16	0.00	0	0.00	
0	0.00	0	125.00	0.00	0	0.00	
10	55000.00	0	5500.00	0.00	10	55000.00	
397	49625.00	0	125.00	0.00	397	49625.00	
397	30172.00	0	76.00	0.00	397	30172.00	
348.00	3480.00	0	10.00	0.00	348	3480.00	
180000.00	54000.00	0	0.30	0.00	180000	54000.00	
13	52000.00	0	4000.00	0.00	13	52000.00	
13	31200.00	0	2400.00	0.00	13	31200.00	
10	7000.00	0	700.00	0.00	10	7000.00	
10	62000.00	0	6200.00	0.00	10	62000.00	
	1006054.49			**75179.26**		**1081233.75**	
	41337.24			0.00		41337.24	
	1047391.73			**75179.26**		**1122570.99**	
	13600.00			2200.00		15800.00	
	20121.09			1503.59		21624.67	
	1013670.64			**71475.67**		**1085146.31**	